## Experimental selection in *Ceratitis cosyra*: the interplay between late sex, short lives and oxidative stress

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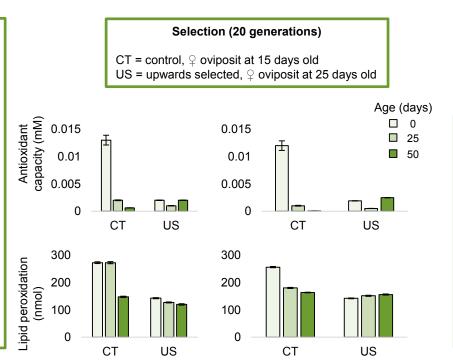
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## **Background**

Theory: oxidative stress causes ageing and mediates life-history trade-offs

Experimental selection for long lives usually decreases reproductive effort (*D. melanogaster*)

Changes in lifespan/reproduction = changes in oxidative damage/antioxidants?





## Take home messages

CT flies lived longer than US flies and laid more eggs

High fecundity ( $\bigcirc$ ) and early reproductive investment ( $\bigcirc$ ) associated with high damage and high antioxidants levels

A cost but no trade-off?



